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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: August 20, 2002

Complete if Known

Application Number 09/741,194

Filing Date 12/21/2000

First Named Inventor Tatsuya ISHII

Group Art Unit 2631

AUG 2 9 20

(use as many sheets as necessary)

Sheet 1 of 1 Attorney Docket Number 040373-0301

Group Art Unit 2631

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Examiner Name Unassigned

Attorney Docket Number 040373-0301

Technology Cente 2600

U.S. PATENT DOCUMENTS Pages, Columns, Lines, U.S. Patent Document Date of Publication of Where Relevant Cite Examiner Name of Patentee or Applicant of Kind Cited Document Passages or Relevant Initials* **Cited Document** No. Code² (if Number MM-DD-YYYY Figures Appear known)

FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No. ¹	Office	Foreign Patent De 3 Number 4	Ocument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т ⁶		
(M)	A1	JΡ	5-152897	Α	Sanyo Electric Co	6/18/1993		Abs		
'PD	A2_	JP	8-162906	A	Canon KK	6/21/1996		Abs		
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS									
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T€						

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•	Date Submitted	- - Indv 11	2002	First Named Inventor	Tatsuya ISHII			
	Date Submitted	a. July 11,	, 2002	Group Art Unit	2631			
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Sheet	1	of	1	Attorney Docket Number	040373-0301			

U.S. PATENT DOCUMENTS								
	U.S. Patent	Document		Date of Publication of	Pages, Columns, Lines,			
Cite No. ¹	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear			
	6,360,240	B2	Takano et al.	3/19/2002				
					RECEIVED			
					JUL 1 9 2002			
					Technology Center 26			
	Cite No.1	Cite No. ¹ Number	No. ¹ Number Code ² (if known)	Cite No.1 Number V.S. Patent Document Kind Code² (if known) Name of Patentee or Applicant of Cited Document	Cite No. 1 Number Kind Code ² (if known) Name of Patentee or Applicant of Cited Document MM-DD-YYYY			

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known)			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶		
Bo		JP	6-245300	Α	Victor Co of Japan Ltd	9/12/1994		Abs		
20		JP	2-19014	. A	Sharp Corp	1/23/1990		Abs		
B		JP	11-220357	A	Sanyo Electric Co Ltd	8/10/1999		Abs		
								-		

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T⁵					

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Substitute for form 1449B/PTO Complete if Known 09/741,194 Application Number INFORMATION DISCLOSURE 12/21/2000 TATEMENT BY APPLICANT Filing Date First Named Inventor Tatsuya ISHII Date Submitted: May 21, 2003 IAY 2 2 2003 Group Art Unit 2631 as many sheets as necessary) Examiner Name Unassigned Attorney Docket Number 040373-0301 Sheet

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		U.S. Patent	Document	Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines, Where Relevant			
	Cite No. ¹	Number	Kind Code ² (if known)		Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear			
B	A1	5,541,866		Sato et al.	07/30/1996				
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Examiner Initials*	Cite No. ¹	Offic	Foreign Patent D e ³ Number ⁴	Oocument Kind Code ⁵ (<i>if known</i>)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
B	A2	JP	06-140876		Kenwood Corp.	05/20/1994		Abs
BD	A3	JP	3-124110		Yamaha Corp.	05/27/1991		Abs
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